

Updates since last version (June 24, 2013)

Revision date: July 8, 2013

A few minor changes are made to the software

1. The Two- and Three-Phase Linear Growth Models have named to Buchanan Two-Phase Linear Growth Model and Buchanan Three-Phase Growth Model
2. Buchanan Two- and Three-Phase Linear Survival Models are added to the Survival Models Section.
3. A linear survival curve with tail is added to the linear survival model.
4. The tutorial has been updated.

Updates since last version (May 3, 2013)

Revision date: June 24, 2013

A few software glitches have been fixed and a few new features has been added:

1. Data entry
Data copied from Excel DO NOT need to be submitted TWICE now. The algorithm has been changed to detect the data. One submission is needed for all data types now.
2. Data conversion
There are a lot requests for data entry using log₁₀ CFU. Since all growth models (except the Gompertz model and the three-phase growth model) in the software are based on natural logarithms, an interface has been added to convert the data from log₁₀ to Ln (or ln). The users can enter the data in log₁₀ CFU, which will be automatically converted to Ln CFU if the users choose to make the conversion. This feature is added for convenience.
3. Data Clearance
A new interface has been added before the data are cleared from the worksheet. The users would need to confirm in the interface before the data are cleared from the memory. This is to prevent the data from being accidentally erased.
4. Two-Phase linear growth model
A two-phase linear growth model has been added to the Reduced Growth Models group. This model finds parameters (lag and growth rate) for growth curves with only lag and exponential phases using linear models.
5. Three-Phase linear growth model
A three-phase linear growth model has been added to the Full Growth Models group. This model divides a growth curve into three linear segments, corresponding to the lag, exponential, and stationary phases.
6. Cardinal model
An output error has been fixed.